

PHENIX

WEEKLY PLANNING

9/20/2007

Don Lynch

2007 Summer Shutdown Schedule

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2007 PHENIX Shutdown

April-June 2007: Complete run, De-mount HBD West, Begin Constructing RPC Factory, Prepare for shutdown, purge flammable gas, Open shielding wall,

July 2007: Remove MuID collar, disengage EC and move to AH, prep IR for shutdown work, uninstall MPC south for upgrade, RPC mockup tests, remove MMS lampshade, begin MuTr "decapacitor" removal, continue RPC factory construction

August 2007: Move CM south, continue decapacitor removals, install Mu Trigger prototypes, remove/upgrade/reinstall MPC north, VTX test support, NCC prototype support

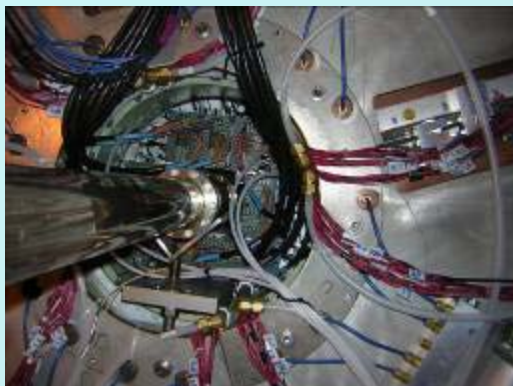
September 2007: Mu Trigger prototype tests, more decapacitor removals, move CM to run position, reinstall MPC south, MuTrigger mockup tests, install neutron shielding (borated PE) test

October 2007: replace MMS lampshade, move EC to IR, reinstall MuID collars, Electronics cooling upgrade (C-A) Prep IR for run, DC East repair

2007 Summer Shutdown Schedule (cont'd)

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<u>Item</u>	<u>Start</u>	<u>Finish</u>
Mu TRigger FEE Prototype Tests	Done	Done
MPC North Installation	In Progress	9/21
Elec. Cooling Water upgrade (CA)	In progress	10/31
CM Move to Run position	9/21	9/25
MPC South Installation	9/25	10/5
Borated PE neutron shield installation	In progress	10/5
Remove HBD East	9/26?	10/3?
More decapacitor removals	10/1?	10/5?



9/20/2007

Weekly Planning Meeting

2007 Summer Shutdown Schedule (cont'd)

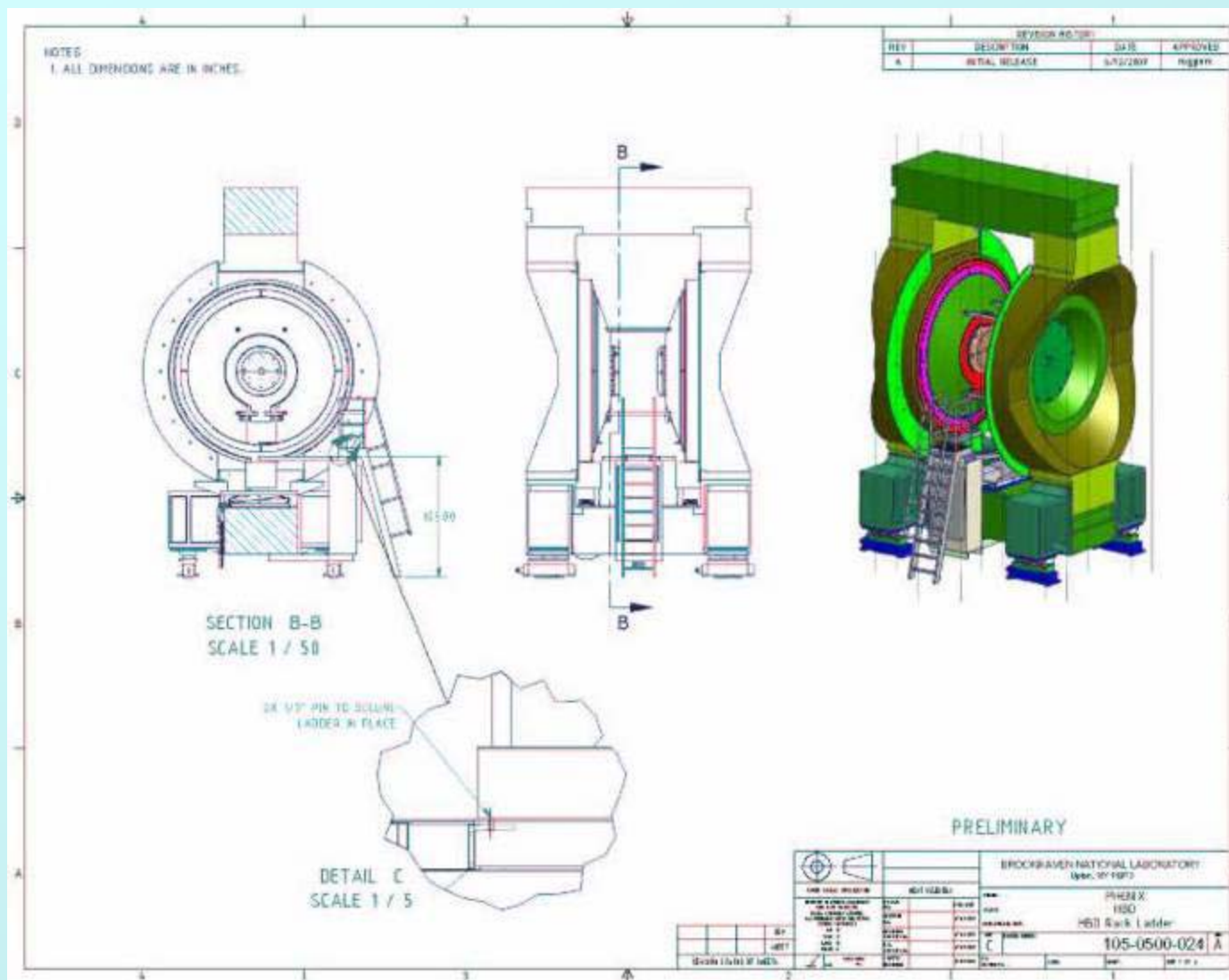
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Item	Start	Finish
HBD Pre survey at SB	10/15?	10/19?
HBD West Mechanical/Gas Reinstall	10/22?	10/31?
HBD EAST Mechanical/Gas Reinstall	11/26?	11/28?
HBD Electrical Reinstall	10/7?	12/15?
HBD installation survey	10/1?	12/22?
Reinstall MMS East Vert. Lampshade	10/1	10/5
EC Roll In	10/8	10/10
C-A fold scaffolding	10/8	10/8
Move MuID collars to IR	10/9	10/9
Roll in-to IR and North to run pos.	10/10	10/11
PHENIX techs reconnect water, elect., gas, fibers	10/12	10/19
InstaCarpenters restore scaffolding, Re-install lift & ladder, re-connect gas sniffers	10/12	10/19
Mike Rau re-install lift wiring, Re-connect TOF blower	10/12	10/19
DC East repair	10/12	10/19
HBD/MPC/Other TBD Commissioning	10/1	10/31
Assemble shield wall	10/22	10/27
Shield wall roll in	10/29	10/31
Start of Run 8	11/1	11/1



CM Ladder/Stair Shutdown Access

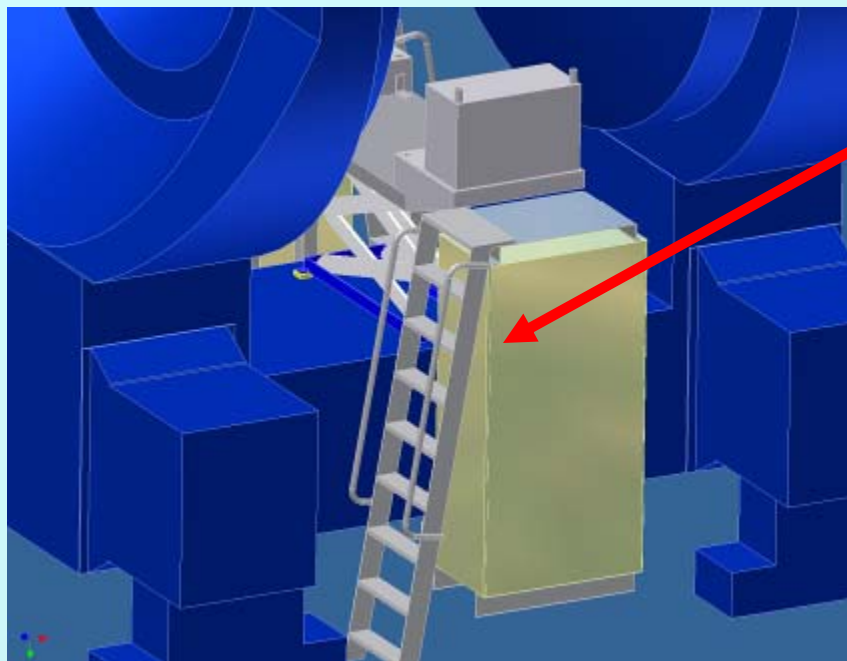
TECHNICAL SUPPORT NOON



- PO pinned
Waiting for
delivery
- Purchasing
SNAFU causes
delay
- Delivery ~10/5

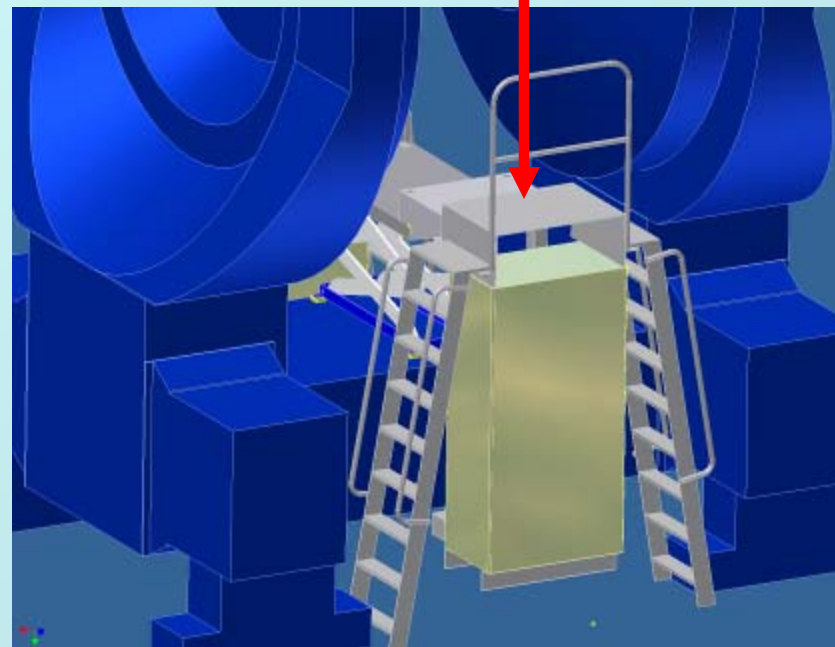
CM Ladder/Stair Run Access

TECHNICAL SUPPORT 2007



East access

West access

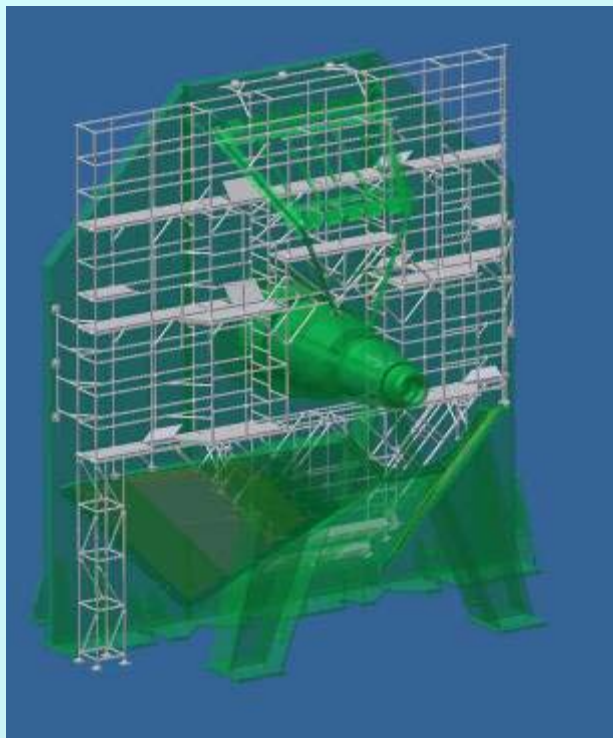


Features:

- ~70 deg. Alum ships ladder
- (1 or 2) lifts off to store vertically for run and/or to access rack doors.
- Step up platform above rack and cables.

- Can be used on either east or west side
- Hand rails on ladders. Safety rail on platform

Station 1 , 2, 3 access plan

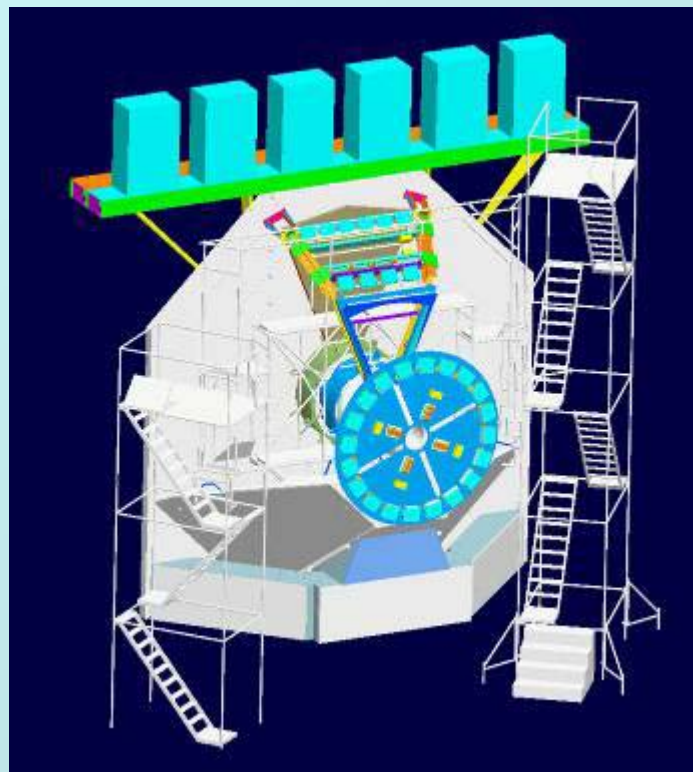


Use existing MMN scaffolding components

Sta. 1: modify to adapt to rails

Sta 2N & 3N: Internal to MMN only.
Adapt to work with most lampshades on.

Sta 2S & 3S: TBD



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RPC Factory Issues

Technical Support 2007



- Now-to-factory-operation schedule
- Factory Work Plan
- Detector assembly /test procedure
- Gas system operating procedure
- Electrical/electronics review
- Final walkthru



What we can do now:

Install and move in furniture, equipment, gas piping and leak tests, and test equipment operations

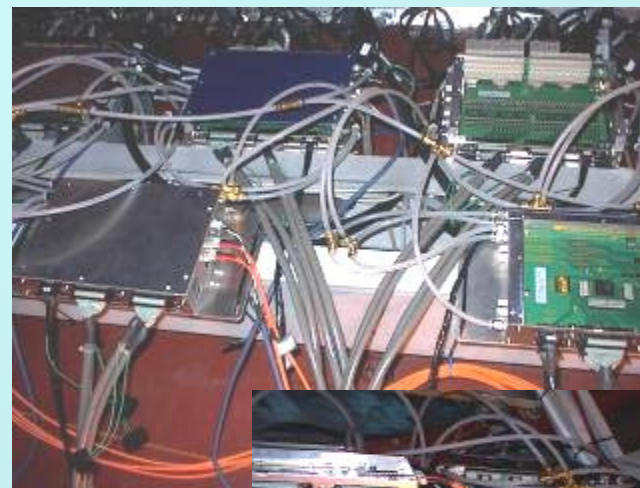


What we can't do now:

Operate gas system (other than N2 leak tests), store, assemble and/or test detector modules and/or other components.

Mu Trigger Station 1 and 2 Upgrades

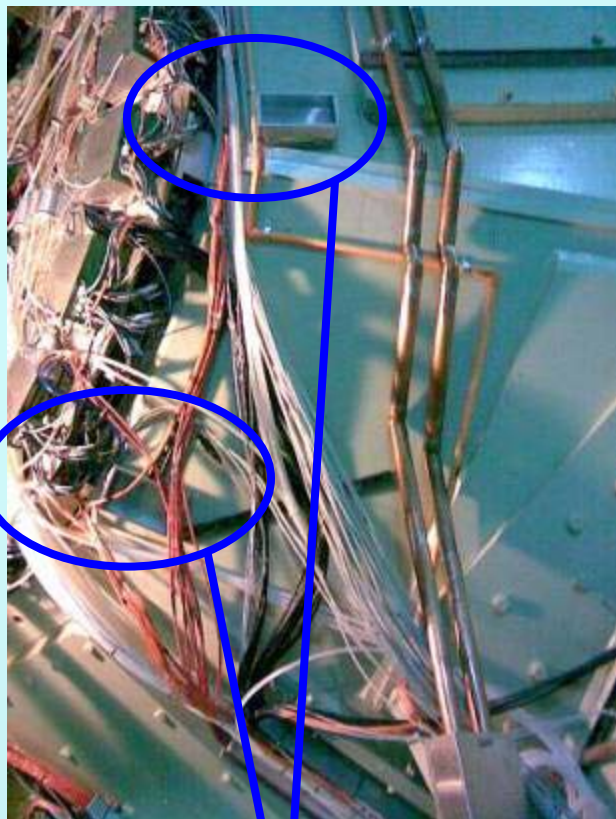
TESTING - 9/20/07 - 12:00 PM



9/20/2007

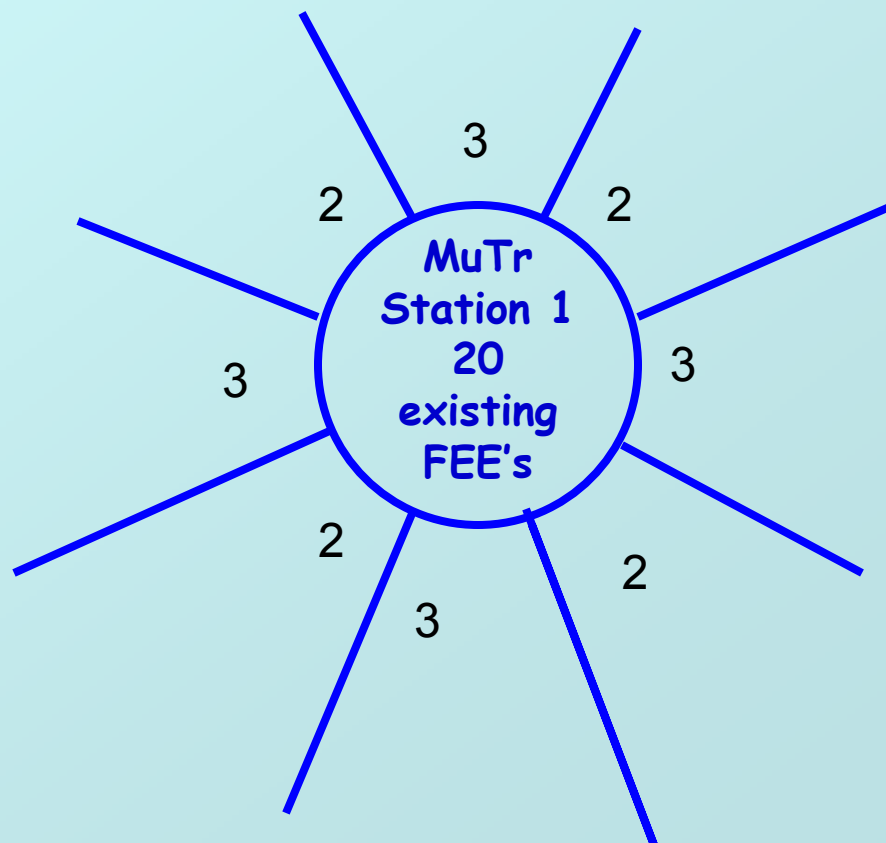
Weekly Planning Meeting

Mu Trigger Station 1 and 2 Upgrades



Mockup boxes to be in place when the CM moves north

We plan to make a couple of mockups of the AD and TX boxes to test fit in potential station 1 locations



TECHNICAL SUPPORT 2007



- Empty (except clean metal waste) and discard old container

- Neutron shielding test (4' x 4' x 2" borated polyethylene)

Shield support design in progress
Install in September for Run 8 tests



A team from DOE's Chicago Operations Office and the Office of Science will be on-site performing a Safeguards and Security survey, which will include a look at both physical and cyber security at BNL.

- Wear your badge at all times and keep it in a safe place when off site.
- Lock offices and buildings when they are not occupied.
- Secure valuable items when they are not in use.
- Obey barricades, signs, postings, labels, and tags.
- Choose a strong password and make sure that your computer has an automated password-protected screensaver.
- Secure sensitive information, such as "Official Use Only" documents or documents containing personally identifiable information, when not in use.
- Do not participate in activities you believe might compromise security.
- Report any suspicious activities immediately to the BNL Police Group at Ext. 2238/2239/2222, or call 911.
- Report any suspected cyber security incidents to the Cyber Security Incident Response Team, Ext. 8484.

BNL PPE Shirt Policy:



Almost, but not yet OK for work in
AH & IR unless specifically
approved. OK for transitting.



OK for all work unless specific
PPE requirements take
precedent

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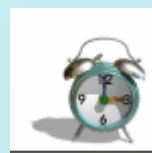
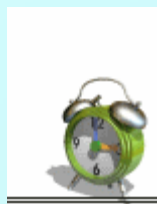
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|------|--|
| 2007 | HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work |
| 2008 | MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, RPC3 S, infrastructure upgrades & repairs, misc. subsystem work |
| 2009 | Scaffolding in MMS and MMN, MuTr FEE N&S stn. 2 & 3, MuTr N&S stn. 2 & 3 repairs, RPC2 S&N, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work |
| 2010 | Remove HBD & RXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work |
| 2011 | NCC S, FVTX, infrastructure upgrades & repairs, misc. subsystem work |
| 2012 | NCC N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work |

** Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*

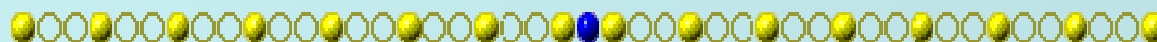
Where To Find PHENIX Technical Info

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Time is running out on the 2007 shutdown



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm